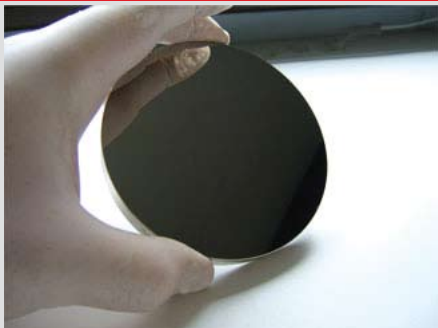




## Mirror Reworking Service



Laser Beam Products has seen great success with its unique **Mirror Reworking Service** for used CO<sub>2</sub> laser mirrors.

We believe it is the perfect response to the current economic climate. Customers can cut costs whilst maintaining quality and productivity. It also re-uses valuable materials.

### How it works

If you have any mirrors that are lightly damaged simply email us with as much detail as possible or send the mirrors to us.

We will issue you with a quote for repairing your mirrors to a condition that is as good as new.

**Once you have accepted our quote and issued us with an order we will go ahead with the repairs and return them to you, as good as new.**

### What can we rework?

#### Copper mirrors

Including mirrors that are water cooled, odd dimensions, square, curved, and mirrors with holes, dowels etc.

#### Molybdenum

As Molybdenum is a costly and hard-to-source material, it is always worth repolishing.

#### Silicon

Often chip and cracks so it is rarely worth repolishing and coating.

### What can't we rework?

- Dented, leaking or melted mirrors
- Adaptive mirrors
- Mirrors permanently brazed on to mounts
- Aspherics
- If diamond machining is needed
- Beryllium
- Parts used with dental, clinical or bio-medical equipment

### Discontinued Parts

These large (100mm diameter) water cooled fold mirrors were used with a 6KW CO<sub>2</sub> laser in a Steel mill.



These exact mirrors are no longer available from the supplier, but having them repolished and gold coated has allowed time for LBP to design and manufacture brand new ones.

There are some laser OEMs who cynically withdraw support for lasers in the field, with the intention of forcing newer models to be purchased, so be prepared!



#### How to contact us:

Post: Units B&C, Stratton Park, Dunton Lane, Biggleswade, Bedfordshire SG18 8QS, UK

Email: [sales@lbp.co.uk](mailto:sales@lbp.co.uk) Phone: +44 (0)1767 600877





## New gold coating enhances life of mirrors

These water cooled beam delivery mirrors were returned to us for repolishing and Gold coating. The customer was in a coastal location, where uncoated Copper mirrors reacted with the sea air, increasing the rate that the mirrors lose reflectivity.



## Mounted Mirrors

If you have mounted mirrors - where the mounting parts can be removed to allow polishing and coating - we can rework them.

We can even remount the mirrors to the original specifications using our electronic autocollimator.



These are internally water cooled zero phase shift beam delivery mirrors.

## Huge savings for car manufacturer



We repolished and recoated these used Copper mirrors from a European car manufacturer saving the customer around 3,000 Euros.

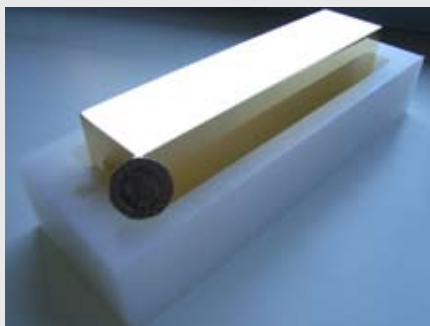
**Contact us today to see if you can save money with our Mirror Reworking service**

## Reworking saves over 5,000 Euros

This is a large solid Molybdenum prism, used on a CO<sub>2</sub> laser. The original supplier ceased trading.

This part has been reworked at least 4 times, saving more than 5,000 Euros over the cost of a new one, were it available!

By liaising with the laser user, the mirror could be repolished during a planned maintenance shutdown, so no real production time was lost.



*\* Send us your parts with as much detail as possible about the size and specification.*

*\* OR email us with as much information as you can about the part.*

*\* We will inspect the part(s) and if we can rework it we will make you an offer.*

*\* We will do the repairs and only return it to you if it is AS GOOD AS NEW.*

## HOW TO CONTACT US:

Laser Beam Products, Units B&C Stratton Park, Dunton Lane, Biggleswade, Bedfordshire SG18 8QS  
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